

**PROJECT:** **Chilean Solar Energy Program**



**LEAD INSTITUTION:**

KfW

**PARTNERS:**

EU-LAIF

**TOTAL COST:**

€ 1 558 409 091

**LAIF CONTRIBUTION:**

€ 15 300 000

**TYPES OF SUPPORT:**

Investment Grants

**DURATION PERIOD:**

Dec 2013 – Dec 2019

**CURRENT STATUS:**

Ongoing

**DESCRIPTION:**

This project provides support to the Government of Chile in its transformation efforts towards a low carbon energy sector, which involves decoupling economic growth from Green House Gas emissions. The Program's activities comprise the financing and complementary technical assistance of concentrated solar power (CSP) plants as well as large-scale photovoltaic projects in Chile.

Large-scale solar projects such as CSP projects with thermal energy storage have, in comparison to other renewable energy sources, the advantage that – if sufficient storage capacity is installed – it becomes dispatchable and therefore capable of supplying base load energy. Wind and photovoltaic plants don't have the capacity to supply dispatchable energy, which is however a crucial element of the overall net stability.

**EXPECTED RESULTS:**

- The successful construction, implementation and operation of a reliable CSP power plant in Chile.
- Increased local supply of CSP plants (70% in 2030).
- Increased development of CSP plants (150 MW in 2019).
- Direct GHG emissions avoided (129 300 t CO<sub>2</sub> eq/a).
- Increased energy generation and capacity from CSP (110 MW capacity and 175 200 MWh/a generated).